

REMARKS

The Office Action of September 9, 2004 has been reviewed and the comments therein were carefully considered. Claims 1-11, 14-17, 19-20, 22-34, 41-43, 45-46, 49-50, 52, 54, and 56-59 have been canceled in this current response. Claims 12, 35, and 51 have been amended in the current response. No new matter has been introduced into the application.

Amendments to the Drawings

The Office Action states that in paragraph [27] of the application, “the top surface of the wall (40) is reference number 45 yet reference number 45 is the top surface of the bridge member (34) in figure 4. Appropriate correction is required.” (Office Action, page 2).

The attached replacement sheet of drawings includes changes to Fig. 4. This sheet which includes Fig. 3-5, replaces the original sheet including Fig. 3-5. Applicants are submitting these replacement drawings to correct an error in which reference number 45 inadvertently points to the top surface of bridge member (34). The attached replacement correct sheet now shows that reference number 45 is the top surface of wall (40). Applicants respectfully request that the objection be removed based on the submitted correction.

Double Patenting Rejection

Claims 1-3, 8, 12-14, 18, 22-26, 30, 34-40, 44 and 48-55 have been provisionally rejected under 35 U.S.C. § 101 as claiming the same invention as that of claims 1-3, 8, 12-14, 18, 22-26, 30, 34-40, 44 and 48-55 of co-pending application number 10/666,346.

In the current response, Applicants have canceled claims 1-3, 8, 14, 22-26, 30, 34, 49-50, 52, and 54. Moreover, independent claims 12, 35, and 51 have been amended in the current response. Claims 13, 8, 36-40, 44, 48, 53, and 55 depend ultimately from one of amended independent claims

12, 35, and/or 51. Applicants respectfully submit that each of the remaining pending claims claim a different invention than that of co-pending application number 10/666,346. Therefore, Applicants respectfully request reconsideration of the rejection.

Allowable subject matter

Claims 15 and 41 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Applicants would like to thank the Examiner for indicating the allowable subject matter. Applicants have amended independent claims 12 and 35 to include the features of dependent claims 15 and 41 and any intervening claims. As stated by the Office Action on page 7 with regard to dependent claims 14 and 41, “None of the prior art discloses or renders obvious a second rear cavity formed from a wall extending from a top portion including an epoxy and a bridge member extending across a first cavity in addition to the other elements of the structure claimed.” Applicants respectfully submit that claims 12 and 35 are in condition for allowance. Dependent claims 13, 18, 21, 53, 36-40, 44, 47-49, and 55 which ultimately depend from one of claims 12 and 35 are allowable for at least the same reasons as claims 15 and 41. Moreover, Applicants have currently amended independent claim 51 to include the feature of claims 15 and 41 indicated by the Office Action as being allowable. Therefore, Applicants respectfully submit that independent claim 51 is allowable for at least the same reason as claims 12 and 35.

Rejection under 35 U.S.C. §102

Claims 1-3, 11, 22-26, 33-34, 49-50, and 54 are rejected under 35 U.S.C. 102(e) as being anticipated by Dabbs. Applicants have canceled all of the above referenced claims rendering the rejection moot.

Claims 12-14, 18, 21, 47 and 51-53 are rejected under 35 U.S.C. 102(b) as being anticipated by Iwata.

Applicants have currently amended independent claims 12, 35, and 51 to include the claimed element found in objected to claims 15 and 41. As stated by the Office Action on page 7, “None of the prior art discloses or renders obvious a second rear cavity formed from a wall extending from a top portion including an epoxy and a bridge member extending across a first cavity in addition to the other elements of the structure claimed.” Applicants respectfully submit that currently amended claims 12, 35, and 51 include these features and are in condition for allowance. Dependent claims 13, 18, 21, 47, and 53 are allowable for at least the same reason as the independent claim from which they ultimately depend.

Rejection under 35 U.S.C. §103

Claims 4 and 27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dabbs in view of Campau. Claims 4 and 27 have been canceled in the current response rendering the rejection moot.

Claims 8 and 30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dabbs in view of Solheim. Claims 8 and 30 have been canceled in the current response rendering the rejection moot.

Claims 35-40, 44, 48 and 55 are rejected under 35 U.S.C. 103(a) as being unpatentable over Iwata in view of Schmidt (5,472,203).

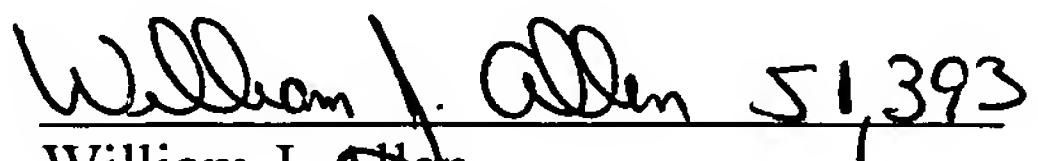
Applicants have currently amended independent claim 35 to include the claimed element found in objected to claims 15 and 41. As stated by the Office Action on page 7 "None of the prior art discloses or renders obvious a second rear cavity formed from a wall extending from a top portion including an epoxy and a bridge member extending across a first cavity in addition to the other elements of the structure claimed." Currently amended claim 35 includes "a single bridge member extending across a first rear cavity" and a "second rear cavity . . . defined by a wall . . . the second rear cavity including an epoxy." Therefore for at least this reason Applicants respectfully submit that independent claim 35 is in condition for allowance. Dependent claims 36-40, 44, 47-48, and 55 are allowable for at least the same reason as independent claim 35 from which they ultimately depend.

Claims 56-59 stand rejected under 35 U.S.C. 102(a) as being anticipated by Schmidt (5,472,203) in view of Deshumkh (6,406,382). Claims 56-59 have been canceled in the current response rendering the rejection moot.

Applicants respectfully submit that the instant application is in condition for allowance. Should the Examiner believe that a conversation with Applicant's representative would be useful in the prosecution of this case, the Examiner is invited and encouraged to call Applicant's representative.

Respectfully submitted,

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Amendments to the Drawings

The attached sheet of drawings includes changes to Fig. 4. This sheet which includes Fig. 3-5, replaces the original sheet including Fig. 3-5. Applicants are submitting these replacement drawings to correct a clerical error regarding reference number 45.

Attachment: Replacement Sheet